| Claim   Date   Claim   Claim |       |  |              |              |             |           |                |          |          |          |            |          |       |          |                              | 10/691,195         |           |    |                        |               |                 |    |          | SHIOZAKI ET AL. |                        |                     |           |         |         |           |                 |           |  |
|--|-------|--|--------------|--------------|-------------|-----------|----------------|----------|----------|----------|------------|----------|-------|----------|------------------------------|--------------------|-----------|----|------------------------|---------------|-----------------|----|----------|-----------------|------------------------|---------------------|-----------|---------|---------|-----------|-----------------|-----------|--|
| Rejected   |       |  |              |              |             |           |                |          |          |          |            |          |       |          | Examiner  Richard M. Lorence |                    |           |    |                        |               |                 |    |          | Art Unit        |                        |                     |           |         | Ì       |           |                 |           |  |
| Claim  |       | THEORIGINAL DELIVERATION OF THE PROPERTY OF TH |              |              |             |           |                |          |          |          |            |          |       |          |                              | Richard M. Lorence |           |    |                        |               |                 |    |          |                 |                        | 3681                |           |         |         |           |                 |           |  |
| Claim  |       | (Through numera  |              |              |             |           |                |          |          |          |            |          |       |          | al)                          |                    |           | П  | Non-Flected            |               |                 |    | П        | Annest          |                        |                     |           |         | ]       |           |                 |           |  |
| Claim  |       |  | Ľ            | Rejected     |             |           | _              | H        |          |          | Cancelled  |          |       |          |                              |                    |           |    | N                      | 14011-2180180 |                 |    |          | Α               |                        |                     |           |         |         |           |                 |           |  |
| But         But <td></td> <td></td> <td>=</td> <td colspan="4">Allowed</td> <td></td> <td>+</td> <td></td> <td colspan="4">Restricted</td> <td></td> <td></td> <td>:</td> <td>1</td> <td colspan="2">Interference</td> <td></td> <td>0</td> <td colspan="5">Objected</td> <td></td>  |       |  | =            | Allowed      |             |           |                |          | +        |          | Restricted |          |       |          |                              |                    | :         | 1  | Interference           |               |                 | 0  | Objected |                 |                        |                     |           |         |         |           |                 |           |  |
|  | Clair | n  |              | Date         |             |           |                |          |          |          |            | Cl       | aim   |          |                              | Dat                |           | at | B 1                    |               | CI              |    | aim      |                 | Date                   |                     |           |         |         | $\exists$ |                 |           |  |
|  | ᡖ     | ginal  | 6/04         | 200          |             |           |                |          |          |          |            | nad      | ginal |          |                              |                    |           |    |                        |               |                 |    | naf      | jinal           |                        |                     | ł         |         |         |           |                 |           |  |
|  | "     | ŏ  | 11/          | 3/8          |             |           |                |          |          |          |            | Œ        | Ö     |          |                              |                    |           |    |                        |               |                 |    | ίÏ       | o<br>iş         |                        |                     |           |         |         |           |                 |           |  |
| 3  |       | +  | 7            |              | 7           | 7         | $\blacksquare$ |          |          |          |            |          |       |          |                              |                    |           | _  |                        |               |                 | ]  |          |                 |                        | $\Box$              | 7         | 1       |         | L         | П               | $\exists$ |  |
| 4       1       54       100       105         6       1       105       55       106       107         7       1       107       107       107       107         8       1       108       109       100 <td< td=""><td></td><td></td><td><math>{\sf H}</math></td><td></td><td>+</td><td>+</td><td></td><td>-</td><td>╁</td><td></td><td></td><td><u> </u></td><td></td><td></td><td></td><td>-</td><td><math>\vdash</math></td><td>-</td><td></td><td></td><td><del> - -</del></td><td>-</td><td></td><td></td><td>Н</td><td><math>\dashv</math></td><td>+</td><td>+</td><td>╁</td><td>╁</td><td><math>\vdash</math></td><td><math>\dashv</math></td><td></td></td<>  |       |  | ${\sf H}$    |              | +           | +         |                | -        | ╁        |          |            | <u> </u> |       |          |                              | -                  | $\vdash$  | -  |                        |               | <del> - -</del> | -  |          |                 | Н                      | $\dashv$            | +         | +       | ╁       | ╁         | $\vdash$        | $\dashv$  |  |
| 6  |       |  | lacksquare   | $\mathbf{I}$ | 4           | 4         | $\Box$         |          | L        |          |            |          |       |          |                              |                    |           | _  |                        |               | H               | ]  |          |                 | П                      | $\Box$              | 7         | Ŧ       |         | L         | П               |           |  |
| T  |       |  | ${\sf H}$    | Н            | $\dashv$    | +         | +              |          | H        |          |            | ļ        |       | Н        |                              | -                  | H         |    | Н                      | _             | ╁┼              | -  |          |                 | Н                      | $\dashv$            | $\dashv$  | +       | ╁       | ╁         | Н               |           |  |
| 9  |       |  | I            | П            | 1           | 1         | $\blacksquare$ |          | Е        |          |            |          |       |          |                              |                    | $\square$ |    |                        |               |                 |    |          | 107             |                        | 4                   | 7         | 1       | L       | F         |                 | $\Box$    |  |
| 10   |       |  | H            | Н            | $\dashv$    | $\dagger$ | +              |          | $\vdash$ | $\vdash$ |            |          |       |          | $\vdash$                     | -                  | H         |    | Н                      | -             | ┼┼              | ┨║ |          |                 | Н                      | $\dashv$            | +         | +       | ╁       | ╁         | H               | $\dashv$  |  |
| 12   |       |  | I            | П            | _           | 7         |                |          |          |          |            |          |       |          |                              |                    |           |    |                        | _             |                 | ]  |          | 110             |                        | $\Box$              | $\bot$    | $\bot$  |         |           |                 |           |  |
| 13   |       |  | ${\sf H}$    | Н            | +           | ┪         | +              |          | ┝        | $\vdash$ |            | ļ        |       | -        | ┝                            | -                  | Н         |    | $\vdash$               | _             | <del>  </del> - | -  |          |                 | Н                      | -                   | +         | +       | ╁       | ╀         | Н               | _         |  |
| 15   |       | 13   |              | П            | 1           | 1         |                |          |          |          |            |          | 63    |          |                              |                    |           |    |                        |               |                 |    |          | 113             |                        |                     |           | 1       |         |           | Ħ               |           |  |
| 16   \( \begin{array}{c c c c c c c c c c c c c c c c c c c  |       |  | ₩            | H            | +           | ┽         |                |          | H        | ┝        |            |          |       | $\vdash$ | -                            | -                  | $\vdash$  | _  | $\left  \cdot \right $ | _             | - -             | -  |          |                 | $\left  \cdot \right $ | $\dashv$            | +         | ╁       | ╀       | ╄         | H               | $\dashv$  |  |
| 18   |       | 16   |              |              |             | 1         | 口              |          |          |          |            |          | 66    |          |                              |                    |           |    |                        |               |                 |    |          | 116             |                        |                     | $\perp$   | $\pm$   | T       |           |                 |           |  |
| 19   |       |  | V            | =            | $\perp$     | 4         | +              | _        | $\vdash$ | ļ        |            |          |       | ļ        | _                            | _                  | $\square$ |    | Щ                      | Ļ             | - -             | -  |          |                 |                        | 4                   |           | 4       | L       | _         |                 |           |  |
| 21         71         121         122         72         122         73         123         123         123         123         123         123         123         123         124         124         124         124         125         125         125         125         125         125         125         125         126         126         126         127         127         127         127         127         127         128         128         128         128         128         128         128         129         129         129         130         130         131         130         131         131         131         131         131         131         131         132         133         133         133         133         133         133         133         133         133         134         134         135         135         135         135         135         135         135         136         136         136         137         137         137         137         137         137         137         138         138         138         138         138         138         139         140         141         141         141  |       | 19   |              |              | $\pm$       | $\pm$     | $\pm$          |          | $\vdash$ | _        |            |          |       |          |                              |                    |           | _  |                        |               |                 | 1  |          | 119             | Н                      | +                   | +         | ╁       | ╁       | ╁         | Н               | $\dashv$  |  |
| 122  |       |  |              | $\Box$       | $\perp$     | 4         |                |          |          |          |            |          |       |          |                              |                    | П         |    |                        |               |                 | ]  |          |                 |                        | $\Box$              | $\perp$   | Ţ       |         |           |                 | $\Box$    |  |
| 23   |       |  | -            | $\dashv$     | ╁           | +         | $\dashv\dashv$ | _        | $\vdash$ | $\vdash$ |            | ├─       |       | ┝        | ┢                            |                    | Н         | -  | Н                      | -             | $\vdash$        | ╣  |          |                 | Н                      | +                   | +         | +       | +       | ╁         | $\vdash$        | -         |  |
| 125  |       | 23   |              |              | 丰           | 1         |                |          |          |          |            |          | 73    |          |                              |                    |           |    |                        |               |                 |    |          | 123             |                        | $\Box$              |           | 1       |         | L         | П               |           |  |
| 126  |       | 24<br>25   | $\vdash$     | $\vdash$     | +           | +         | +              | _        | ╀        | ┝        |            | <u> </u> |       | ╁        | ⊢                            | $\vdash$           | $\vdash$  |    | Н                      | -             | $\vdash$        | -  |          |                 | Н                      | $\dashv$            | +         | +       | ╁       | ╀         | Н               | $\dashv$  |  |
| 28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       96       146         47       97       147         48       98       148         49       99       149  |       | 26   |              |              | ユ           | 1         |                |          |          |          |            |          | 76    |          |                              |                    |           |    |                        |               |                 |    |          | 126             |                        |                     |           | 士       |         | 上         |                 |           |  |
| 29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       146         46       96       146         47       97       147         48       98       148         49       99       149  |       |  | L            | $\vdash$     | -           | 4         |                | <u> </u> | $\vdash$ |          |            | <u> </u> |       | -        | $\vdash$                     | <u> </u>           | $ \cdot $ |    | Н                      | _             |                 | -  |          |                 | Ш                      | $\dashv$            | 4         | $\perp$ | 1       | -         |                 | $\Box$    |  |
| 30   |       | 29   |              |              | $\exists t$ | +         |                |          |          |          |            |          | 79    | H        | $\vdash$                     |                    |           | _  |                        | _             |                 | -  |          | 129             | Н                      |                     | $\dagger$ | +       | 十       | +         | H               | ᅥ         |  |
| 32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |       | 30   |              |              | $\dashv$    | 4         | $\Box$         |          | F        |          |            |          |       |          | L                            |                    |           |    |                        |               | П               | ]  |          | 130             |                        | $\Box$              | 7         | Ţ       | L       |           | П               |           |  |
| 33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |       |  | <del> </del> |              | +           | +         | ╅              | -        | ┝        | -        |            |          |       | $\vdash$ | ⊢                            |                    | Н         |    | Н                      |               | $\vdash$        | -  |          |                 | Н                      | $\dashv$            | +         | ┿       | ╁       | ╁         | H               | $\dashv$  |  |
| 35       85       135       136         36       86       136       137         37       87       137       137         38       88       138       138         39       90       140       140         41       91       141       141         42       92       142       143         43       93       143       144         44       94       144       144         45       95       145       146         47       97       147       147         48       98       148       148         49       99       149       149  |       | 33   |              |              | $\Box$      | 1         |                |          |          |          |            |          |       |          |                              |                    |           |    |                        |               |                 | 1  |          | 133             |                        | $\Box$              | $\perp$   | I       | I       |           |                 |           |  |
| 36       86       136       137         37       87       137       137         38       88       138       138         39       90       140       140         41       91       141       141         42       92       142       142         43       93       143       144         44       94       144       144         45       95       145       145         46       96       146       147         48       98       148       148         49       99       149       149  |       |  | ┝            | Н            | +           | +         |                | -        | ┝        | -        |            | <u> </u> |       | -        | ├                            | ļ                  | Н         | _  | Н                      | _             | $\vdash$        | -  |          |                 | Н                      | $\dashv$            | +         |         | ╀       | -         | ┝┤              | $\dashv$  |  |
| 38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |       | 36   |              |              | 士           |           |                |          |          |          |            |          | 86    |          |                              |                    |           |    |                        |               |                 |    |          | 136             |                        |                     | 1         | 土       | $\perp$ |           |                 |           |  |
| 39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |       |  | -            | _            |             | +         |                | ┡        | ├-       | -        |            |          |       |          | ⊢                            |                    | Н         |    | $\sqcup$               | _             | $\vdash$        | 4  |          |                 | Н                      | 4                   | -         | $\perp$ | 1       | ╄-        |                 |           |  |
| 41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |       |  |              |              | $\pm$       | +         | _              |          | +-       | 一        |            | $\vdash$ |       | $\vdash$ | $\vdash$                     |                    |           |    |                        | -             |                 | -  |          |                 | Н                      |                     | $\pm$     | +       | ╁       | H         | $\vdash$        | Н         |  |
| 42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |       |  |              |              | $\Box$      | 4         |                |          |          |          |            |          |       |          |                              |                    | П         |    |                        | _             | П               | ]  |          | 140             |                        | $\Box$              | 4         | Ţ       | 1       | L         |                 |           |  |
| 43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |       |  | -            | H            | ᆉ           | $\dashv$  |                | $\vdash$ | $\vdash$ | -        |            |          |       | $\vdash$ | $\vdash$                     | $\vdash$           | H         |    | Н                      | <u> </u>      | $\vdash$        | -  |          |                 | Н                      | dash                | +         | +       | ╁       | +         | H               | $\dashv$  |  |
| 45     95       46     96       47     97       48     98       49     99  |       | 43   |              |              | #           | 1         |                |          |          |          |            |          | 93    |          |                              |                    | 口         |    | 口                      |               |                 | ]  |          | 143             |                        | $\square$           | 丰         | $\pm$   | 丰       | 上         | $\square$       | 口         |  |
| 46     96       47     97       48     98       49     99  |       | 44<br>45   | -            | Н            | $\dashv$    | $\dashv$  | +              | ├        | -        | $\vdash$ |            | <u> </u> |       | $\vdash$ | $\vdash$                     | $\vdash$           | Н         |    | Н                      |               | ++              | 4  |          |                 | Н                      | $\vdash \downarrow$ | +         | +       | +       | +         | $\vdash \vdash$ | Н         |  |
| 48 98 148 149 149 149 149 149 149 149 149 149 149  |       | 46   |              |              |             | 士         |                |          |          |          |            |          | 96    |          |                              |                    | 口         | _  | 口                      |               |                 |    |          | 146             | Ħ                      |                     | 士         | 1       | 1       | $\perp$   | H               | ᆸ         |  |
| 49 99 149 149  |       |  | $\vdash$     | Щ            | -           | 4         | $+\Box$        | <u> </u> | $\vdash$ | F        |            |          |       | F        | F                            | -                  | $\square$ |    | П                      |               | $\prod$         | -  |          |                 | П                      | $\Box$              | 7         | Ŧ       | F       | L         | П               | $\Box$    |  |
|  |       | 49   |              |              | $\pm$       | $\exists$ |                |          | 上        |          |            |          |       |          |                              |                    |           |    |                        |               |                 |    |          | 149             | H                      | H                   | _         | +       | $\pm$   | +         | H               | $\dashv$  |  |
|  |       | 50   |              |              | $\perp$     | $\Box$    |                |          |          | 匚        | ]::::      |          | 100   |          |                              | Ĺ                  |           |    |                        |               | $\prod$         |    |          |                 |                        |                     | $\prod$   | I       |         |           |                 |           |  |

Application No.

Index of Claims

Applicant(s)